

DOMINION OF CANADA

REPORT

OF THE

COMMISSIONER OF PATENTS

FOR THE

Fiscal Year ending March 31, 1921

PRINTED BY ORDER OF PARLIAMENT



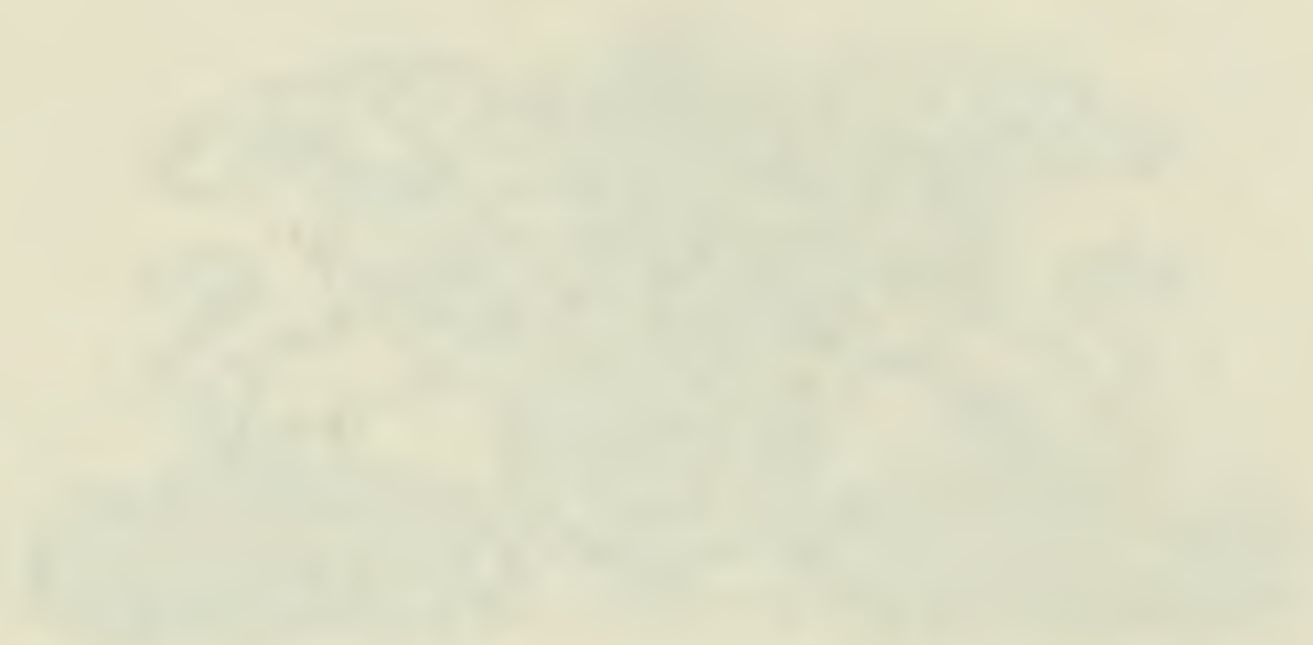
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1921

DOMINION OF CANADA

REPORT

COMMISSIONER OF PATENTS

Annual Report ending March 31, 1925



OTTAWA
PRINTED BY THE KING'S PRINTER
1925

1925 A.

ANNUAL REPORT

COMMISSIONER OF PATENTS

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc.; etc.,
Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:—

The undersigned has the honour to present to Your Excellency the report of the Commissioner of Patents for the fiscal year ended March 31, 1921.

All of which is respectfully submitted.

GEORGE E. FOSTER,

Minister of Trade and Commerce.

OTTAWA, June 22, 1921.

ANNUAL REPORT

OF THE

COMMISSIONER OF PATENTS

The Right Hon. Sir GEORGE E. FOSTER, P.C., G.C.M.G., M.P.,
Minister of Trade and Commerce.

SIR,—In pursuance of the requirements of the 63rd section of the Patent Act, Chapter 69, R.S.C. 1906, and section 5A of An Act respecting the Patent Act, the Copyright Act, the Trade Mark and Design Act, and the Timber Marking Act, Chapter 64, 9 and 10 George V, I have the honour to report as follows upon the proceedings in the fiscal year ending March 31, 1921, under the provisions of these Acts.

PROCEEDINGS UNDER PEACE PROVISIONS

Provision was made by the Treaty of Peace for extending the time for payment of fees and taking other action which should otherwise have been effected during the period of the war. The Treaty of Peace (Germany) Order, 1920, applies such provisions to this country. Under this Order and under Chapter 26, 10 George V, the renewal fees on 519 patents were accepted and the patents revived. Extension of time to import and manufacture was granted on 1,772 and 921 patents respectively, and 520 patents were placed under the compulsory license clause, section 44 of the Patent Act. A large number of applications for which the time limit for filing had expired under section 8 of the Patent Act were also accepted.

GENERAL BUSINESS

The general business of the office for the year ended March 31, 1921, showed a substantial increase over the preceding fiscal year. While part of this increase arose from the relief given under the Peace Treaty Order and the emergency legislation, the greater part was due to natural growth.

Compared with the preceding year the number of applications for patents was greater by 2,248, a gain of 20 per cent. 1,625 more patents were granted, an increase of 17 per cent. Certificates for renewal of patent fees increased 513, or 25 per cent. The number of assignments of patents recorded increased by 1,046, an increment of 23 per cent. Patents placed under section 44 of the Patent Act, the compulsory license clause, increased 1,379 in number, or 58 per cent. There were 1,472 more reports issued by examiners. This is 27 per cent greater than 1920. The issue of caveats was practically the same as 1920, there being only two more issued this year. Notices under section 8 of the Patent Act were fewer by 52 and showed a decrease of over 12 per cent. The total number of transactions relating to patents increased by 8,247, or 23 per cent over the preceding year.

There was a decrease of 299 registrations of copyright. This is 14 per cent less than last year. Trade Mark registrations exceeded last year by 289, an increment of over 15 per cent. Industrial Design and Timber Mark recordings were heavy. There were 99 more Industrial Designs and 36 more Timber Marks registered. These are increases of 45 per cent and 163 per cent respectively. The number of assignments

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of Copyrights, Trade Marks, Designs and Timber Marks increased by 304, or 95 per cent over the preceding year. The total registrations of Copyrights, Trade Marks, Designs and Timber Marks showed a gain of 429, or about 10 per cent over the last fiscal year.

A statement of the particulars of the transactions of the Patent and Copyright Office is given in appendix A and a comparative statement for the last ten years is given in appendix B.

RECEIPTS AND EXPENDITURE

A statement of receipts and expenditure is given in appendix C and detailed statements of the fees received from Patents and from Copyrights, Trade Marks, Designs and Timber Marks are given in appendices D and E respectively.

The receipt of fees from all sources exceeded any previous year. The total net receipts were \$407,886.73, an increase of \$53,389.76 over the amount received in 1920. The expenditure was \$184,285.51 and the surplus of receipts over expenditure was \$223,601.22. The receipts from Patent fees was \$344,712.23, a gain of \$50,665.95 over the preceding year. From Copyrights, Trade Marks, Industrial Designs and Timber Marks the fees were \$63,174.50, an increase of \$2,723.81 over the previous year.

RESIDENCE OF INVENTORS FOR PATENTS GRANTED IN 1920-21

In appendix F is given the country of residence of inventors for patents issued. Out of the total number of patents granted during the year over 69 per cent were applied for by residents of the United States. About 15 per cent came from inventors resident in Canada, and residents of Great Britain, its colonies and possessions, contributed over 8 per cent. The remaining 7 per cent came from inventors in twenty-nine other countries.

EXCHANGE OF PUBLICATIONS

The office received during the year the official publications and reports of patents, trade marks and designs from Great Britain, Australia, New Zealand, the United States, Italy, Switzerland and Japan.

In addition about fifty scientific and technical periodicals were subscribed for or received in exchange for the Canadian Patent Office Record. The office also received at intervals as published the abridgments of patents and the bound volumes of patents of Great Britain, the printed copies of the French patents, and the current weekly issue of the United States patents.

STAFF

The total number of employees of the office at the end of the year was 101, an increase of twelve over the preceding year. During the twelve months two additional examiners of patents and one assistant examiner were appointed. One examiner returned from leave of absence due to service in H. M.'s forces. The other appointments were to the clerical staff. Two members of the examining corps and three from the clerical force resigned. One clerk retired on superannuation.

TREND OF INVENTION

With a few exceptions the increase in the number of applications filed this year was evenly distributed throughout the various arts in the field of invention.

Applications dealing with transportation were again prominent. The largest single class of invention in the office related to carriages and wagons and was composed for the most part of improvements in motor vehicles, tractors, wheels, tires, tops, windshields, steering wheels and the like. Internal combustion engines,

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including accessories such as carburetors, starters, cooling and heating devices and spark plugs, was the second largest. There was a decrease in the number of aeronautical applications. In railways, rolling stock and appliances there were increases in track members and in car couplings. There were decreases in the number of applications for life-boats and torpedo guards for ships.

In most classes of invention for articles directly usable in warfare, such as ordnance, small arms, targets, explosives and ammunition, decreases occurred.

In applications dealing with metal working there was an increased number of grinding, milling, cutting and punching, and sheet-metal shaping machines.

In woodworking there was an enlargement in the number of sawing machines, mostly of the portable power-driven drag-saw type.

Applications for metallurgical and electrochemical processes increased about 50 per cent.

Textile treatment and manufacture into threads and cloth showed substantial percentage gains.

There was a considerable increment in applications for typewriting, printing and typesetting machinery.

Applications for excavating, hoisting and transferring materials showed an enlargement of about 40 per cent.

In means for transmitting intelligence such as signalling, telegraphy and telephony, there was considerable increase. Devices to indicate to a following vehicle the intention of a driver to turn or stop continue to occupy the attention of many inventors; more applications this year are automatic in operation. In telegraphy there was nearly 100 per cent more applications and in radio telegraphy and telephony about 80 per cent more.

In all branches of the electrical arts, including the generation, transmission and application of electricity, there were notable increases amounting to an average of 50 per cent.

The development of power washing-machines combined with wringers was responsible for nearly double the number of applications relating to that art.

Improvements in tire valves, particularly those in combination with pressure gauges, more than doubled in number.

In machines and processes for the manufacture of paper there was 100 per cent increment. Many of these were for the treatment of new fibres for the production of paper.

NEW LEGISLATION

A new Bill to amend and consolidate the Acts respecting patents of invention received its first reading in the House of Commons on February 25. The Copyright Bill which had been before Parliament and under consideration by special committees during the previous two sessions was reintroduced on February 28. No further progress had been reported when the fiscal year ended.

Respectfully submitted,

GEO. F. O'HALLORAN,
Commissioner of Patents.

APPENDICES

APPENDIX A

TRANSACTIONS OF THE PATENT AND COPYRIGHT OFFICE FROM APRIL 1, 1920, TO MARCH 31, 1921

(a) Transactions of the Patent Branch

Applications for Patents..	13,446
Patents granted:—	
Fee paid for 6 years on issue..	11,090
Fee paid for 12 years on issue..	3
Fee paid for 18 years on issue..	42
Re-issues:—	
For 6 years..	15
For 12 years..	1
For 18 years..	1
Total..	11,152
Certificates for renewal fees after issue:—	
For 6 years..	2,465
For 12 years..	84
Total..	2,549
Reports by Examiners in addition to patents granted..	6,820
Assignments of Patents..	5,525
Caveats:—	
Applications..	468
Grants..	410
Notices under section 8..	378
Patents placed under section 44 (compulsory license clause)..	3,757

(b) Transactions of the Copyright and Trade Mark Branch

1. Copyrights:—	
Full Copyrights without certificates..	1,445
Full Copyrights with certificates..	150
Temporary Copyrights without certificates..	26
Temporary Copyrights with certificates..	5
Interim Copyrights without certificates..	82
Interim Copyrights with certificates..	19
Renewal of Copyrights..	2
Assignments of Copyrights..	49
Total..	1,778
2. Trade Marks	2,030
Renewals of Specific Trade Marks..	98
Assignments of Trade Marks..	512
Total..	2,640
3. Industrial Designs..	259
Renewals of Industrial Designs..	57
Assignments of Industrial Designs..	58
Total..	374
4. Timber Marks..	58
Assignments of Timber Marks..	5
Total..	63
Total registrations..	4,855

APPENDIX B

COMPARATIVE STATEMENT of the transactions of the Patent and Copyright Office from 1912 to 1921, inclusive

(a) Comparative Statement of the Patent Branch.

	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
Applications for Patents.....	8,293	8,681	8,359	7,302	7,793	8,751	8,683	9,025	11,198	13,446
Patents granted.....	7,399	7,502	7,918	6,867	6,812	7,520	7,233	6,052	9,527	11,152
Certificates for renewal fees.....	1,113	1,199	1,323	1,211	1,419	1,599	1,847	2,022	2,036	2,549
Caveats.....	348	353	354	391	419	358	364	349	408	410
Assignments.....	3,725	3,741	3,432	3,391	3,311	3,661	3,425	3,690	4,479	5,525
Fees received, net.....	\$207,762 77	\$218,125 02	\$215,001 71	\$190,028 37	\$202,630 40	\$227,094 09	\$228,278 57	\$239,345 38	\$294,046 28	\$344,712 23

(b) Comparative Statement of the Copyright and Trade Mark Branch.

	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
Copyrights Registered.....	1,593	1,760	1,835	1,675	1,477	1,384	1,440	1,436	2,028	1,729
Certificates of Copyright.....	213	205	207	193	146	160	128	142	201	174
Trade Marks Registered.....	1,212	1,315	1,378	1,106	1,019	840	987	919	1,735	2,128
Industrial Designs Registered.....	149	228	165	224	215	196	177	169	186	316
Timber Marks Registered.....	39	15	57	24	27	55	31	90	22	58
Assignments Registered.....	230	559	264	242	279	333	234	255	320	624
Fees received, net.....	\$43,061 56	\$41,251 98	\$32,840 87	\$29,645 11	\$28,642 81	\$32,265 28	\$40,178 82	\$60,450 69	\$63,174 50

APPENDIX C

RECEIPTS AND EXPENDITURES FOR 1920-21

Receipts.		Expenditures.	
	\$ cts.		\$ cts.
Cash received.....	431,545 99	Salaries.....	124,096 43
Cash refunded.....	23,659 26	Patent Record.....	31,520 72
		Contingencies.....	28,668 36
			184,285 51
		Receipts over Expenditures.....	223,601 22
Net cash.....	407,886 73		407,886 73

APPENDIX D

DETAILED STATEMENT PATENT OFFICE FEES FOR YEAR 1920-21

Month.	Notices.	Patents.	Assign-ments.	Certified Copies.	Caveats.	Sundries.	Subscrip-tions.	Totals.
1920.								
April.....	62 00	30,131 64	1,126 60	513 65	222 00	17 25	68 70	32,141 84
May.....	82 00	27,663 27	1,035 90	408 85	165 00	21 50	111 17	29,487 69
June.....	75 00	29,869 85	1,079 98	476 25	166 00	43 20	130 60	31,840 88
July.....	42 00	39,498 46	1,630 10	324 50	120 00	10 25	40 35	41,665 66
August.....	86 00	25,616 53	1,267 79	362 90	125 00	14 25	37 47	27,509 94
September.....	56 00	22,091 09	763 70	411 60	169 00	20 50	30 70	23,542 59
October.....	66 00	23,722 67	906 56	490 15	175 00	18 45	17 10	25,395 93
November.....	68 00	22,715 84	1,080 03	488 25	177 00	31 00	18 20	24,578 32
December.....	54 00	25,069 85	895 41	528 55	155 00	88 00	481 15	27,271 96
1921.								
January.....	73 00	31,240 00	1,112 47	614 50	290 25	29 85	481 62	33,841 69
February.....	58 00	23,897 62	918 36	456 02	360 30	16 00	75 55	25,781 85
March.....	62 00	26,662 97	1,044 40	623 70	245 15	25 00	87 12	28,750 34
Totals.....	784 00	328,179 79	12,861 30	5,698 92	2,369 70	335 25	1,579 73	351,808 69
Refunds.....	28 00	6,300 41	157 70	284 60	38 25	280 50	7 00	7,096 46
Totals.....	756 00	321,879 38	12,703 60	5,414 32	2,331 45	54 75	1,572 73	344,712 23

APPENDIX E

DETAILED STATEMENT TRADE MARK AND COPYRIGHT FEES, 1920-21

Month.	Trade-marks.	Copy-rights.	Designs.	Timber-marks.	Assign-ments.	Certified Copies.	Totals.
1920.							
April.....	6,351 05	135 00	138 00	18 00	128 65	68 65	8,839 35
May.....	7,272 40	121 00	208 50	6 00	224 31	60 75	7,892 96
June.....	6,479 57	255 00	115 00	8 00	34 61	84 50	6,976 68
July.....	5,849 40	133 00	165 00	75 00	73 00	29 00	6,324 40
August.....	6,249 15	152 00	154 15	16 00	67 00	29 00	6,667 30
September.....	5,810 60	149 75	154 00	8 00	69 00	37 00	6,228 35
October.....	5,858 40	199 25	165 00	8 00	151 00	44 50	6,426 15
November.....	5,400 00	159 00	130 00	6 00	100 65	36 50	5,832 15
December.....	5,753 80	227 00	193 00	6 00	93 00	88 50	6,361 30
1921.							
January.....	6,013 10	178 50	225 00	18 50	113 50	81 50	6,630 10
February.....	7,286 40	164 62	251 00	2 00	51 00	75 00	7,830 02
March.....	5,220 25	175 19	145 00	13 00	116 15	58 95	5,728 54
Totals.....	73,544 12	2,049 31	2,043 65	184 50	1,221 87	693 85	79,737 30
Refunds.....	16,350 40	25 25	159 00	27 00	65	50	16,562 80
Totals.....	57,193 72	2,024 06	1,884 65	157 50	1,221 22	693 35	63,174 50

APPENDIX F

RESIDENCE OF INVENTORS FOR PATENTS GRANTED IN 1920-21

Canada—			Brazil..	2
Ontario..	708		Chili..	1
Quebec..	331		Iceland..	1
British Columbia..	177		Porto Rico..	1
Alberta..	127		Uruguay..	1
Saskatchewan..	119		Venezuela..	1
Manitoba..	118		Total..	7,767
New Brunswick..	33		Europe—	
Nova Scotia..	29		Germany..	287
Prince Edward Island..	2		France..	134
Yukon..	1		Sweden..	96
Total..	1,645		Norway..	75
Great Britain and Ireland—			Italy..	35
England..	705		Denmark..	32
Scotland..	56		Switzerland..	30
Ireland..	13		Holland..	25
Wales..	11		Belgium..	14
Channel Islands..	1		Finland..	6
Total..	786		Russia..	5
British Colonies and Possessions—			Czechoslovakia..	4
Australia..	105		Austria..	1
New Zealand..	46		Luxemburg..	1
India..	11		Poland..	1
Transvaal..	10		Spain..	1
South Africa..	6		Total..	747
Egypt..	5		Africa—	
British East Africa..	1		Algeria..	1
British West Africa..	1		Total..	1
British West Indies..	1		Asia—	
Total..	186		Japan..	18
Foreign States—			China..	1
America—			Dutch East Indies..	1
United States....	7,744		Total..	20
Mexico..	9		Grand total..	11,152
Cuba..	4			
Argentine Republic..	3			